

IN THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) For use in a telecommunications network comprising a plurality of packet data service nodes and a plurality of mobile stations, wherein each packet data service node in said plurality of packet data service nodes is capable of communicating with at least one mobile station, an apparatus for avoiding triangulation delay when a first mobile station sends data packets to a second mobile station, said apparatus comprising:

an interface connecting a first packet data service node that serves said first mobile station and a second packet data service node that serves said second mobile station, said interface enabling ~~said first packet data service node to obtain information from said second packet data service node concerning said second mobile station~~ said second packet data service node to send an Internet protocol push message comprising information concerning said second mobile station to said first packet data service node.

2. (Canceled).

3. (Currently Amended) The apparatus as set forth in Claim [[2]] 1 wherein said Internet protocol push message comprises one of: an identification of a base station controller, an identification of a base transceiver station, a mobile Internet protocol address, a Network Interface device, a System Identification Number, and a time stamp.

4. (Currently Amended) The apparatus as set forth in Claim [[2]] 1 wherein said Internet protocol push message comprises an updated Internet protocol push message that comprises a time stamp and one of: an identification of a new base station controller, an identification of a new base transceiver station, a new mobile Internet protocol address, a new Network Interface Device, and a new System Identification Number.

5. (Original) The apparatus as set forth in Claim 1 wherein said first packet data service node is capable of avoiding triangulation delay by sending data packets from said first mobile station directly to said second packet data service node for delivery to said second mobile station based on information received from said second mobile packet data service node through said interface.

6. (Original) The apparatus as set forth in Claim 5 wherein said first packet data service node is capable of avoiding triangulation delay by sending data packets from said first mobile station directly to said second packet data service node for delivery to said second mobile station without sending said data packets through an Internet protocol network.

7. (Original) The apparatus as set forth in Claim 1 further comprising an interface connecting each packet data service node in said plurality of packet data service nodes with all other packet data service nodes in said plurality of packet data service nodes, said interface enabling said each packet data service node to obtain information from all other packet data service nodes concerning mobile stations served by said packet data service nodes.

8. (Original) The apparatus as set forth in Claim 7 wherein said interface enables each packet data service node to send an Internet protocol push message to all other packet data service nodes.

9. (Original) The apparatus as set forth in Claim 8 wherein said Internet protocol push message comprises one of: an identification of a base station controller, an identification of a base transceiver station, a mobile Internet protocol address, a Network Interface device, a System Identification Number, and a time stamp.

10. (Original) The apparatus as set forth in Claim 8 wherein said Internet protocol push message comprises an updated Internet protocol push message that comprises a time stamp and one of: an identification of a new base station controller, an identification of a new base transceiver station, a new mobile Internet protocol address, a new Network Interface Device, and a new System Identification Number.

11. (Original) The apparatus as set forth in Claim 7 wherein said apparatus is capable of avoiding triangulation delay when said first mobile station served by said first packet data service node sends data packets to a third mobile station served by said first packet data service node, wherein said first packet data service node is capable of determining from information received through an interface with other packet data service nodes that said first packet data service node is serving said third mobile station.

12. (Original) The apparatus as set forth in Claim 11 where said first packet data service node sends said data packets from said first mobile station to said third mobile station without sending said data packets through an Internet protocol network.

13. (Currently Amended) For use in a telecommunications network comprising a plurality of packet data service nodes and a plurality of mobile stations, wherein each packet data service node in said plurality of packet data service nodes is capable of communicating with at least one mobile station, an apparatus for avoiding triangulation delay when a first mobile station sends data packets to a second mobile station, said apparatus comprising:

a data base coupled to each of said plurality of packet data service nodes, said data base capable of sending data packets from a first packet data server node that serves said first mobile station to a second packet data server node that serves said second mobile station,

said data base further capable of sending an Internet protocol push message comprising information concerning said second mobile station from said second packet data server node to said first packet data service node.

14. (Original) The apparatus as set forth in Claim 13 further comprising an Internet protocol network coupled to said data base.

15. (Original) The apparatus as set forth in Claim 13 wherein said data base is capable of identifying which packet data service node in said telecommunications network serves said second mobile station.

16. (Original) The apparatus as set forth in Claim 14 wherein said apparatus is capable of avoiding triangulation delay when said first mobile station served by said first packet data service node sends data packets to said second mobile station that is served by said second packet data service node, wherein said data base is capable of causing said first packet data service node to send said data packets from said first mobile station to said second mobile station without sending said data packets through said Internet protocol network.

17. (Currently Amended) A method for avoiding triangulation delay in a telecommunications network comprising a plurality of packet data service nodes and a plurality of mobile stations, wherein each packet data service node in said plurality of packet data service nodes is capable of communicating with at least one mobile station, and wherein a first mobile station sends data packets to a second mobile station, said method comprising the steps of:

coupling an interface to a first packet data service node that serves said first mobile station and to a second packet data service node that serves said second mobile station; and

sending an Internet protocol push message comprising information concerning said second mobile station through said interface from said second packet data service node to said first packet data service node.

18. (Canceled).

19. (Currently Amended) The method as set forth in Claim ~~18~~ 17 wherein said Internet protocol push message comprises one of: an identification of a base station controller, an identification of a base transceiver station, a mobile Internet protocol address, a Network Interface device, a System Identification Number, and a time stamp.

20. (Currently Amended) The method as set forth in Claim ~~18~~ 17 wherein said Internet protocol push message comprises an updated Internet protocol push message that comprises a time stamp and one of: an identification of a new base station controller, an identification of a new base transceiver station, a new mobile Internet protocol address, a new Network Interface Device, and a new System Identification Number.

21. (Original) The method as set forth in Claim 17 further comprising the step of:
sending data packets from said first packet data service node directly to said second packet data service node for delivery to said second mobile station based on information received from said second mobile packet data service node through said interface.

22. (Original) The method as set forth in Claim 21 further comprising the step of:
sending said data packets from said first packet data service node directly to said second packet data service node for delivery to said second mobile station without sending said data packets through an Internet protocol network.

23. (Original) The method as set forth in Claim 17 further comprising the steps of:
coupling an interface to each packet data service node in said plurality of packet data service nodes with all other packet data service nodes in said plurality of packet data service nodes;

enabling each packet data service node to obtain information from all other packet data service nodes concerning mobile stations served by said packet data service nodes.

24. (Original) The method as set forth in Claim 23 further comprising the step of:
enabling each packet data service node to send an Internet protocol push message to all other packet data server nodes.

25. (Original) The method as set forth in Claim 24 wherein said Internet protocol push message comprises one of: an identification of a base station controller, an identification of a base transceiver station, a mobile Internet protocol address, a Network Interface device, a System Identification Number, and a time stamp.

26. (Original) The method as set forth in Claim 24 wherein said Internet protocol push message comprises an updated Internet protocol push message that comprises a time stamp and one of: an identification of a new base station controller, an identification of a new base transceiver station, a new mobile Internet protocol address, a new Network Interface Device, and a new System Identification Number.

27. (Original) The method as set forth in Claim 23 further comprising the steps of:
determining in said first packet data service node from information received through said interface with other packet data service nodes that said first packet data service node serves a third mobile station as well as said first mobile station; and
sending data packets from said first mobile station that is served by said first packet data service node to said third mobile station that is served by said first packet data service node.

28. (Original) The method as set forth in Claim 27 further comprising the step of:
sending said data packets from said first mobile station to said third mobile station without sending said data packets through an Internet protocol network.